

AMENDMENTS TO THE CLAIMS

This listing of the claims will replace all prior versions of the claims and listing of the claims in the application:

1.-4. (Cancelled)

5. (Currently Amended) A An isolated and purified polynucleotide ~~of the following (a) or (b),~~

~~(a) a polynucleotide~~ comprising the nucleotide sequence of SEQ ID NO: 1 or

~~(b) a polynucleotide~~ encoding a protein comprising the amino acid sequence of SEQ ID NO: 2.

6. (Cancelled)

7. (Currently Amended) A An isolated and purified protein encoded by the polynucleotide of claim 5 ~~or 6~~.

8. (Currently Amended) A recombinant vector, which comprises the polynucleotide of claim 5 ~~or 6~~.

9. (Original) The recombinant vector of claim 8, which further comprises a dehydrogenase gene for regenerating a coenzyme.

10. (Currently Amended) A transformant, comprising a microorganism, a plant or an insect which is transformed with the polynucleotide of claim 5 ~~or 6~~.

11. (Cancelled)

12. (Currently Amended) A method for producing an optically active alcohol, which comprises reacting ~~a carbonyl reductase of any one of claims 1 to~~ the protein of claim 7 with a ketone.

13. (Currently Amended) A method for producing (S)-1-(3,4-dimethoxyphenyl)-2-propanol, which comprises reacting a ~~carbonyl reductase of any one of claims 1 to 7~~ the protein of claim 7 with 3,4-dimethoxyphenylacetone.
14. (New) The transformant of claim 10, wherein the microorganism is selected from the group consisting of bacteria, Actinomycetes, yeast and fungi.
15. (New) The transformant of claim 10, wherein the plant is selected from the group consisting of rapeseed, maize and potato.
16. (New) The transformant of claim 10, wherein the insect is a silkworm.